

S. No	Name of the Equipment	Quantity (nos.)	Capacity	Purpose	Location	Prof. Incharge for the equipment
1	Random wave maker	1	Capable of generating regular, random and user-defined waves. Max. wave height of about 0.3m, Max. wave period of about 5sec & Max. workable water depth of about 0.8m.	Used for generating waves in the wave tank testing facility for wave-structure interaction related research works. Also used for Mtech Ocean Engineering lab course (CE 706).	Adjacent to hydraulics lab.	Prof. Balaji Ramakrishnan
2	Wave gauges	10	10V, 60cm wave height measurement	To measure the wave elevation time histories in all physical model related research works.	Wave flume	
3	Pressure sensors	4	2bars	To measure dynamic pressure exerted on structures by waves in lab.	Wave flume	
4	mini Laser Doppler Velocimeter (LDV)	1	Velocity maximum range : 0-5 m/Sec	To measure water particle velocities.	Wave flume	
5	Recording Current Meter (RCM)	1	Capable of measuring Waves, tides, pressure, temperature, turbidity and currents. Max. water depth is 300m.	To deploy in the field to measure waves, tides, currents and turbidity.	Wave flume	
6	Eco-sounder	1	210kHz ecosounder transducer, 12 channel DGPS, with max measuring range of 100m, accuracy of about 0.01m, resolution of 0.01 m and sample rate of 6Hz.	To measure the bathymetry/ seabed profiles, in the field.	Wave flume	